



Complete Summary

TITLE

End stage renal disease (ESRD): percentage of patients aged 18 years and older with a diagnosis of ESRD and receiving dialysis who received the influenza vaccination during the flu season (September through February).

SOURCE(S)

Renal Physicians Association, Physician Consortium for Performance Improvement. End stage renal disease (ESRD) physician performance measurement set. Chicago (IL): American Medical Association; 2007 Mar 9. 27 p. [8 references]

Measure Domain

PRIMARY MEASURE DOMAIN

Process

The validity of measures depends on how they are built. By examining the key building blocks of a measure, you can assess its validity for your purpose. For more information, visit the [Measure Validity](#) page.

SECONDARY MEASURE DOMAIN

Does not apply to this measure

Brief Abstract

DESCRIPTION

This measure is used to assess the percentage of patients aged 18 years and older with a diagnosis of end stage renal disease (ESRD) and receiving dialysis who received the influenza vaccination during the flu season (September through February).

RATIONALE

Infectious disease is a common cause of death in late-stage kidney disease patients. Vaccinating this high risk population is therefore critical to increasing patient well-being and potentially reducing morbidity and mortality. Despite its importance, a review of Medicare billing data has indicated that the end stage

renal disease (ESRD) population had a less than 50% vaccination rate for the years 1997 to 1998 and 1998 to 1999.*

*The following clinical recommendation statements are quoted verbatim from the referenced clinical guidelines and represent the evidence base for the measure:

Annual influenza vaccine is recommended for all persons aged 65 and older and persons in selected high-risk groups. (U.S. Preventive Services Task Force [USPSTF], 2002)

Vaccination is recommended for the following persons who are at increased risk for complications from influenza: adults and children who have required regular medical follow-up or hospitalization during the preceding year because of chronic metabolic diseases (including diabetes mellitus), renal dysfunction, hemoglobinopathies, or immunosuppression (including immunosuppression caused by medications or by human immunodeficiency virus [HIV]). (Centers for Disease Control and Prevention [CDC], 2003)

PRIMARY CLINICAL COMPONENT

End stage renal disease (ESRD); influenza vaccination

DENOMINATOR DESCRIPTION

All patients aged 18 years and older with a diagnosis of end stage renal disease (ESRD) and receiving dialysis (see the related "Denominator Inclusions/Exclusions" field in the Complete Summary)

NUMERATOR DESCRIPTION

Patients who received the influenza vaccination during the flu season (September through February)

Evidence Supporting the Measure

EVIDENCE SUPPORTING THE CRITERION OF QUALITY

- A clinical practice guideline or other peer-reviewed synthesis of the clinical evidence

Evidence Supporting Need for the Measure

NEED FOR THE MEASURE

Overall poor quality for the performance measured
Use of this measure to improve performance

EVIDENCE SUPPORTING NEED FOR THE MEASURE

Gilbertson DT, Unruh M, McBean AM, Kausz AT, Snyder JJ, Collins AJ. Influenza vaccine delivery and effectiveness in end-stage renal disease. *Kidney Int* 2003 Feb;63(2):738-43. [PubMed](#)

State of Use of the Measure

STATE OF USE

Current routine use

CURRENT USE

Internal quality improvement
National reporting

Application of Measure in its Current Use

CARE SETTING

Ambulatory Care
Physician Group Practices/Clinics

PROFESSIONALS RESPONSIBLE FOR HEALTH CARE

Physicians

LOWEST LEVEL OF HEALTH CARE DELIVERY ADDRESSED

Individual Clinicians

TARGET POPULATION AGE

Age greater than or equal to 18 years

TARGET POPULATION GENDER

Either male or female

STRATIFICATION BY VULNERABLE POPULATIONS

Unspecified

Characteristics of the Primary Clinical Component

INCIDENCE/PREVALENCE

Unspecified

ASSOCIATION WITH VULNERABLE POPULATIONS

Unspecified

BURDEN OF ILLNESS

Unspecified

UTILIZATION

Unspecified

COSTS

Unspecified

Institute of Medicine National Healthcare Quality Report Categories

IOM CARE NEED

Living with Illness
Staying Healthy

IOM DOMAIN

Effectiveness

Data Collection for the Measure

CASE FINDING

Users of care only

DESCRIPTION OF CASE FINDING

All patients aged 18 years and older with a diagnosis of end stage renal disease (ESRD) and receiving dialysis

DENOMINATOR SAMPLING FRAME

Patients associated with provider

DENOMINATOR INCLUSIONS/EXCLUSIONS

Inclusions

All patients aged 18 years and older with a diagnosis of end stage renal disease (ESRD) and receiving dialysis

Exclusions

- Documentation of medical reason(s) for not receiving influenza vaccination
- Documentation of patient reason(s) for not receiving influenza vaccination
- Documentation of system reason(s) for not receiving influenza vaccination

RELATIONSHIP OF DENOMINATOR TO NUMERATOR

All cases in the denominator are equally eligible to appear in the numerator

DENOMINATOR (INDEX) EVENT

Clinical Condition
Encounter
Therapeutic Intervention

DENOMINATOR TIME WINDOW

Time window is a single point in time

NUMERATOR INCLUSIONS/EXCLUSIONS

Inclusions

Patients who received the influenza vaccination during the flu season (September through February)

Exclusions

None

MEASURE RESULTS UNDER CONTROL OF HEALTH CARE PROFESSIONALS, ORGANIZATIONS AND/OR POLICYMAKERS

The measure results are somewhat or substantially under the control of the health care professionals, organizations and/or policymakers to whom the measure applies.

NUMERATOR TIME WINDOW

Fixed time period

DATA SOURCE

Administrative data
Medical record

LEVEL OF DETERMINATION OF QUALITY

Individual Case

PRE-EXISTING INSTRUMENT USED

Unspecified

Computation of the Measure

SCORING

Rate

INTERPRETATION OF SCORE

Better quality is associated with a higher score

ALLOWANCE FOR PATIENT FACTORS

Unspecified

STANDARD OF COMPARISON

Internal time comparison

Evaluation of Measure Properties

EXTENT OF MEASURE TESTING

Unspecified

Identifying Information

ORIGINAL TITLE

Measure #1: influenza vaccination.

MEASURE COLLECTION

[The Physician Consortium for Performance Improvement® Measurement Sets](#)

MEASURE SET NAME

[End Stage Renal Disease Physician Performance Measurement Set](#)

SUBMITTER

American Medical Association on behalf of the Renal Physicians Association and the Physician Consortium for Performance Improvement®

DEVELOPER

Physician Consortium for Performance Improvement®
Renal Physicians Association

FUNDING SOURCE(S)

Unspecified

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FINANCIAL DISCLOSURES/OTHER POTENTIAL CONFLICTS OF INTEREST

Conflicts, if any, are disclosed in accordance with the Physician Consortium for Performance Improvement® conflict of interest policy.

ENDORSER

National Quality Forum

INCLUDED IN

Ambulatory Care Quality Alliance
Physician Quality Reporting Initiative

ADAPTATION

Measure was not adapted from another source.

RELEASE DATE

2007 Mar

MEASURE STATUS

This is the current release of the measure.

SOURCE(S)

Renal Physicians Association, Physician Consortium for Performance Improvement. End stage renal disease (ESRD) physician performance measurement set. Chicago (IL): American Medical Association; 2007 Mar 9. 27 p. [8 references]

MEASURE AVAILABILITY

The individual measure, "Measure #1: Influenza Vaccination," is published in the "End Stage Renal Disease (ESRD) Physician Performance Measurement Set." This document and technical specifications are available in Portable Document Format (PDF) from the American Medical Association (AMA)-convened Physician Consortium for Performance Improvement® Web site: www.physicianconsortium.org.

For further information, please contact AMA staff by e-mail at cqi@ama-assn.org.

NQMC STATUS

This NQMC summary was completed by ECRI Institute on April 28, 2008. The information was verified by the measure developer on June 11, 2008.

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